

## Precision Wideband Differential DC Amplifier Ectron Model 751

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**INTERTECHNOLOGY**Precision Wideband Differential  
DC Amplifier Ectron Model 7511 Scarsdale Rd  
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Precision Wideband Differential DC Amplifier Ectron Model 751 is a Precision Wideband DC Amplifier, featuring true differential input circuits, high-common-mode-voltage rating and excellent stability and linearity.

The basic Precision Wideband Differential DC Amplifier Ectron Model 751 is a direct-coupled design providing high input impedance, excellent common-mode-rejection and low output noise.

Each Precision Wideband Differential DC Amplifier Ectron Model 751 has its own independent internal power supply which operates directly from standard 50 to 400 Hz power lines.

Amplifier gain is front-panel selectable from x0.01 to x1,000 with gain accuracy of  $\pm 0.01\%$ .

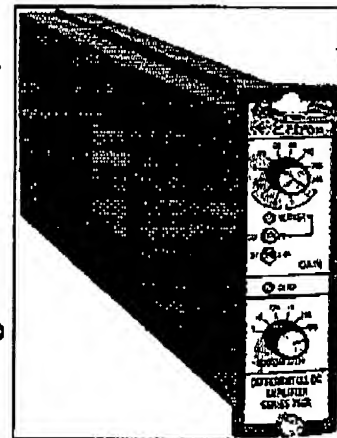
Precision Wideband Differential DC Amplifier Ectron Model 751 bandwidth is front panel selectable with 3-pole low pass filters having -3 dB cut-offs of 1 Hz, 10 Hz, 100 Hz, 1 kHz and 10 kHz plus a wide band setting. Full bandwidth exceeds 100 kHz.

**Performance Highlights:**

- 300 V Common-mode Voltage (CMV)
- 140 dB Common-mode Rejection
- 0.005% Linearity
- True 0.01% Gain Accuracy
- 0.003%/°C Gain Stability
- DC to 100 kHz Bandwidth
- < 200 pF Shunt Capacity
- 0.4 microVolt/°C Zero Stability

**Features:**

- Gains from x0.01 to x2500
- Selectable 3-pole Active Filter
- Dual Outputs, Wideband and Filtered
- Individually AC Powered
- 12 Amplifiers per 5 1/4" x 19" Enclosure
- Low Power Consumption, Low Parts Count
- Minimum Internal Wiring

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